

## **Synergism in complex formation between cobalt(II) and thiocyanate ions in mixed solutions of cationic and nonionic surfactants**

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### **Abstract**

The stabilizing effect of alkyl pyridinium cations (RPy<sup>+</sup>) on the equilibrium of formation of the tetrahedral complex [Co(SCN)<sub>4</sub>]<sup>2-</sup> in aqueous solutions of nonionic surfactants [T = Tween 20 (40), Triton X-100] disclosed for the first time, was explained by the formation of species with the composition (RPy)<sub>2</sub>[Co(SCN)<sub>4</sub>] localized in nonionic micelles. © 1999 MAHK "Hayka/Interperiodica".

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